

Product datasheet for **RN202033**

Gata2 (NM_033442) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata2 (NM_033442) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gata2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202033 representing NM_033442
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGTGGCGCCTGAGCAGCCTCGTGGATGGCGCACCCCGCGTATTGAATGCGCAGCACCCCGACT
 CGCACCATCCGGGCTGGCACACAACACTACATGGAGCCGGCACAGCTGCTGCCTCCGGACGAGGTGGATGT
 CTTCTTCAACCACCTCGACTCGCAGGGCAACCCCTACTACGCCAACCCAGCCACGCGCGCGCGCGCTT
 TCCTACAGTCCAGCGCATGCCCGTCTCACAGGAGGCCAGATGTGCCGACCACACTTGTTCACAGCCAG
 GCTTGCCATGGCTGGACGGGGGCAAGCAGCTCTCTGCGGCTGCTGCCATCACCACAGCCCTGGAC
 CGTCAGCCGTTCTCAAGACCCCGCTGCACCCCTCAGCTGCTGGAGCACCTGGAGGGCTCTGTCTGTG
 TACCCAGGGGCTCGGGTGGGAGCGGTGGAGGCAGCGGGAGCTCCGTAGCCTCCCTACCCCACTGCAG
 CCCACTCAGGCTCCCATCTCTCGGCTTCCACCCAGCCACCCAAAGAAGTGTCTCCAGACCCAGCAC
 CACAGGAGCTGCTTCCCAGCCTCACCTTACGACGGGGTGTGTAGCCCGGGTGGAGACAAGGATGGC
 GTCAAGTATCAAGTGTCACTGTCTGAGAGCATGAAGATGGAAGGTGGCAGTCCCTGCGCCCGGGCTAG
 CTCCCATGGGCACCCAGCCTGCAACACACCACCAATACCCACCTATCCCTCCTATGTGCCTGCCTCAGC
 TCATGAATATGGCAGCGGGCTTCCATCCCAGGAGCTTCTGGGTGGCCAGCCTCCAGCTTACCCCT
 AAGCAGCGAAGCAAGGCTCGCTCCTGCTCAGAAGCCGGGAGTGTGTCAACTGCGGGGCCACAGCCACCC
 CTCTCTGGCGACGGGATGGCAGGGGCCACTACCTGTGCAATGCCTGTGGGCTCTACCACAAGATGAATGG
 ACAGAATCGGCCGCTCATCAAGCCCAAGAGGAGACTGTCTGCTGCCAGGAGAGCGGGCACCTGTTGTGCA
 AATTGTGACAGCACAACCACCTTATGGCGCCGGAACGCCAACGGGGACCTGTGTGCAACGCCTGTG
 GCCTCTACTACAAGCTGCACAATGTTAACAGGCCACTGACCATGAAGAAGGAAGGATCCAGACCCGGAA
 TCGGAAGATGTCCAGCAATCCAAGAAGAGCAAGAAAGGAGCCGAATGCTTTGAGGAGCATCCAAGTGC
 ATGCAGGAGAAGTCATCCCCCTTCAGTGCGGCTGCCCTGGCTGGACACATGGCACCTGTGGGACACCTCC
 CACCTTTTAGTCACTCTGGACACATCCTACCTACGCCAACGCCTATCCACCCCTCCTCCAGTCTCTCCTT
 TGGTACCCCCACCCGTCCAGCATGGTACTGCCATGGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_033442
- Insert Size:** 1443 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_033442.1](#), [NP_254277.1](#)
RefSeq Size: 3411 bp
RefSeq ORF: 1443 bp
Locus ID: 25159
UniProt ID: [Q924Y4](#)
Cytogenetics: 4q34
Gene Summary: mediates phagocytosis function of alveolar macrophages [RGD, Feb 2006]